

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously Presented): A service verifying system for providing a plurality of services, comprising:

authentication information storing module configured to store authentication information to authenticate a user permitted to utilize a first service;

available service information storing module configured to store information about services available to respective users;

permission message information module configured to, on the occasion of permitting utilization of a second service different from the first service, store message information based on a permission message to distinguish a permission of the utilization thereof;

first message receiving module configured to receive a message according to an authentication method of a first service;

authenticating module configured to verify the message received by the first message receiving module, based on the authentication information in the authentication information storing module, and identify a user of the first service and authenticate whether the first service is available to the user;

other service utilization request receiving module configured to receive a utilization request for utilization of the second service, which is transmitted from the user authenticated to utilize the first service by the authenticating module;

other service availability determining module configured to, on the occasion of receiving the utilization request by the other service utilization request receiving module, determine whether the second service is available to the user, based on the information in the available service information storing module;

permission message information updating module configured to, when the other service availability determining module determines that the second service is available, enable the message information based on a permission message in the permission message information storing module;

permission response transmitting module configured to, when the other service availability determining module determines that the second service is available, transmit a permission response based on the permission message;

second message receiving module configured to receive a message based on the permission response;

service provision propriety determining module configured to verify determines whether the second service is providable, based on the message received by the second message receiving module and the message information in the permission message information storing module; and

permission message status releasing module configured to, when the service provision propriety determining module determines that the second service is providable, permit utilization of the second service and disabling the message information in the permission message information storing module.

Claim 2 (Previously Presented): The service verifying system according to Claim 1, further comprising:

additional information storing module configured to store additional information for verifying a message further based on additional information used for utilization of the second service,

wherein the second message receiving module receives the message further based on the additional information; and

wherein the service provision propriety determining module determines whether the second service is providable, further based on the additional information in the additional information storing module.

Claim 3 (Previously Presented): The service verifying system according to Claim 1, further comprising:

area information storing module configured to store available area information about an area where the second service is available; and

area information updating module configured to, on the occasion of receiving the utilization request by the other service utilization request receiving module, derive the available area information from information about a staying area of a first terminal and store the available area information in the area information storing module;

wherein the service provision propriety determining module further verifies whether a staying area of a second terminal is within an area where the service is available, based on the available area information in the area information storing module, and determines that the second service is providable, when a staying area of the second terminal is within an area where the service is available.

Claim 4 (Previously Presented): The service verifying system according to Claim 3, wherein when the permission response is enable, based on the message information in the available message information storing module, and when the staying area of the first terminal moves off the available area proved by the available area information storing module, the area information updating module stores the available area information derived from information about the staying area after the movement of the first terminal, into the area information storing module.

Claim 5 (Previously Presented): The service verifying system according to Claim 3, wherein when the permission response is enable, based on the message information in the available message information storing module, when the staying area of the first terminal moves off the available area proved by the available area information storing module, and when the other service utilization request receiving module receives the utilization request, the area information updating module stores the available area information derived from information about the staying area after the movement of the first terminal, in the area information storing module.

Claim 6 (Previously Presented): The service verifying system according to Claim 1, further comprising:

time information storing module configured to store available time information about a time period in which the second service is available; and

time information updating module configured to, on the occasion of receiving the utilization request by the other service utilization request receiving module, store available time information into the time information storing module;

wherein the service provision propriety determining module further verifies whether a time when the second message receiving module receives the message is within the time period in which the service is available, based on the available time information stored in the time information storing module, and wherein when the time of reception of the message is within the time period in which the second service is available, the service provision propriety determining module determines that the second service is providable.

Claim 7 (Previously Presented): The service verifying system according to Claim 1, wherein the permission response transmitting module transmits the permission response further based on available area information derived from information about a staying area of a first terminal, and

wherein the service provision propriety determining module further verifies whether a staying area of a second terminal is within an area where the service is available, based on the message received by the second message receiving module, and determines that the second service is providable, when a staying area of the second terminal is within an area where the service is available.

Claim 8 (Previously Presented): The service verifying system according to Claim 1, wherein the permission response transmitting module transmits the permission response further based on available time information, and

wherein the service provision propriety determining module further verifies whether a time when the second message receiving module receives the message, is within the time period derived from the message received by the second message receiving module, and wherein when the time of reception of the message is within a time period in which the service is available, based on the message received by the second message receiving module, the service provision propriety determining module determines that the second service is providable.

Claims 9-13 (Canceled).

Claim 14 (Previously Presented) A service providing method for providing services in a service verification network system, the service verification network system comprising a

service verifying system for providing a plurality of services, an authentication requesting terminal authenticated by the service verifying system to utilize a first service provided by the service verifying system, and a service utilizing terminal for utilizing a second service provided by the service verifying system, based on a response transmitted to the authentication requesting terminal for the second service, said service providing method comprising:

a first message transmitting step wherein the authentication requesting terminal transmits a message based on authentication information to the service verifying system, according to an authentication method;

an authenticating step wherein the message received in the first message transmitting step is verified based on authentication information previously stored in the service verifying system, to identify a user of the authentication requesting terminal and authenticate whether the first service is available to the user of the first service;

an other service utilization request transmitting step wherein when the first service is available, the authentication requesting terminal transmits a utilization request for utilization of the second service to the service verifying system;

an other service availability determining step wherein when the utilization request is received in the other service utilization request transmitting step, the service verifying system determines whether the second service is available to the user, based on an information about services available to respective users previously stored in the service verifying system;

a permission message information updating step wherein when it is determined in the other service availability determining step that the second service is available, the service verifying system stores message information based on a permission message to distinguish a permission of utilization of the second service, into permission message information storing module;

a permission response transmitting step wherein when it is determined in the other service availability determining step that the second service is available, the service verifying system transmits a permission response based on the permission message, to the authentication requesting terminal;

a second message transmitting step wherein the service utilizing terminal transmits a message based on the permission response received by the authentication requesting terminal in the permission response transmitting step, to the service verifying system;

a service provision propriety determining step wherein it is verified whether the second service is providable, based on the message received by the second message receiving step and the message information in the permission message information storing module; and

a permission message status releasing step wherein when it is determined in the service provision propriety determining step that the second service is providable, utilization of the second service is permitted, and disabling the message information in the permission message information storing module.

Claim 15 (Previously Presented): The service providing method according to Claim 14, wherein the second message receiving step receives a message further based on additional information, and

wherein the service provision propriety determining step determines whether the second service is providable, further based on the additional information in the additional information storing module.

Claim 16 (Previously Presented): The service providing method according to Claim 14, further comprising an area information updating step of, on the occasion of receiving the utilization request in the other service utilization request transmitting step, deriving available

area information from information about a staying area of the authentication requesting terminal and storing the available area information into area information storing module,

wherein the service provision propriety determining step further verifies whether a staying area of the service utilizing terminal is within an area where the service is available, based on the available area information in the area information storing module, and determines that the second service is providable, when a staying area of the service utilizing terminal is within an area where the service is available.

Claim 17 (Previously Presented): The service providing method according to Claim 16, wherein when the permission response is enable, based on the message information in the available message information storing module, and when the staying area of the authentication requesting terminal moves off the available area proved by available area information storing module, the area information updating step stores the available area information derived from information about the staying area after the movement of the terminal, in the area information storing module.

Claim 18 (Previously Presented): The service providing method according to Claim 16, wherein when the permission response is enable, based on the message information in the available message information storing module, and when the staying area of the authentication requesting terminal moves off the available area proved by available area information storing module, when the authentication requesting terminal transmits the utilization request for utilization of the second service in the other service utilization request transmitting step, the area information updating step stores the available area information derived from information about the staying area after the movement of the terminal, in the area information storing module.



Claim 19 (Previously Presented): The service providing method according to Claim 14, further comprising a time information updating step of, on the occasion of receiving the utilization request in the other service utilization request transmitting step, storing available time information about a time period in which the second service is available, into time information storing module,

wherein the service provision propriety determining step further verifies whether a time when the service verifying system receives the message in the second message transmitting step is within the time period in which the service is available, based on the available time information stored in the time information storing module, and wherein when the time of reception of the message is within the time period in which the second service is available, the service provision propriety determining module determines that the second service is providable.

Claim 20 (Previously Presented) The service providing method according to Claim 14, wherein the permission response transmitting step transmits the permission response further based on available area information derived from information about a staying area of the authentication requesting terminal, and

wherein the service provision propriety determining step further verifies whether a staying area of the service utilizing terminal is within an area where the service is available, based on the message received by the second message receiving module, and determines that the second service is providable, when a staying area of the service utilizing terminal is within an area where the service is available.

Claim 21 (Previously Presented): The service providing method according to Claim 14, wherein the permission response transmitting step transmits the permission response further based on available time information, and

wherein the service provision propriety determining step further verifies whether a time when the service verifying system receives the message in the second message transmitting step is within a time period derived from the message received by the second message receiving module, and wherein when the time of reception of the message is within the time period in which the service is available, based on the message received by the second message receiving module, the service provision propriety determining module determines that the second service is providable.